

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2003/006285

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 9/32, G09C 1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G09C, H04L, H04K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5023908 A (KENNETH WEISS), 11 June 1991 (11.06.1991), column 2, line 21 - line 55 --	1-30
A	US 5124696 A (DENIS V. BOSLEY), 23 June 1992 (23.06.1992), abstract --	1-30
A	EP 0871152 A1 (HEIMPEL, EDDA), 14 October 1998 (14.10.1998), abstract, figures -- -----	1-30

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

16 June 2004

Date of mailing of the international search report

21 -06- 2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer

Fredrik Blomqvist/Els
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2004

International application No.

PCT/IB 2003/006285

US	5023908	A	11/06/1991	US	5168520	A	01/12/1992
				US	5367572	A	22/11/1994
				US	4720860	A	19/01/1988
				US	4856062	A	08/08/1989
				US	4885778	A	05/12/1989
				US	4998279	A	05/03/1991
				AT	71754	T	15/02/1992
				AU	587087	B	03/08/1989
				AU	6568686	A	04/06/1987
				DE	3683481	A	27/02/1992
				EP	0234100	A,B	02/09/1987
				SE	0234100	T3	
				ES	2029450	T	16/08/1992
				JP	2109004	C	21/11/1996
				JP	8020846	B	04/03/1996
				JP	63024384	A	01/02/1988
				US	5058161	A	15/10/1991
US	5124696	A	23/06/1992	US	5014049	A	07/05/1991
EP	0871152	A1	14/10/1998	AT	208077	T	15/11/2001
				DE	19741890	A	15/10/1998
				DE	59801915	D	00/00/0000
				DE	29706492	U	26/06/1997